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PATENT SPECIFICATION

820,646

DRAWINGS ATTACHED.



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Index at Acceptance :—Class 52(3), O(18 : 22).

International Classification :—A47b.

COMPLETE SPECIFICATION.

Improvements in or relating to Chairs, Seats or the like.

I, MAURICE NORMAN, 88 Bryanston Court, London, W.1, a British Subject, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement :—

This invention relates to chairs, seats and the like and has for its main object to provide an improved form of chair or seat which is suitable for domestic or commercial use, or for use in cafes, restaurants, clubs and other places where the user of the chair or seat is likely to require table facilities.

The invention accordingly consists in a chair or seat comprising a member which is pivotally mounted on the back of the chair and which is swingable about a substantially horizontal axis, so as to serve either as a back rest or as a table, means being provided for supporting said member when it is swung into the table position.

The invention also consists in a chair or seat comprising a table member which is pivotally mounted on the back of the chair so as to be swingable about a substantially horizontal axis, means being provided for supporting the table member when in the horizontal position and for allowing the table member to be detached or to hang freely when it is not required for use.

According to the preferred arrangement, the aforesaid member is pivoted to the upper part of the back frame of the seat or chair, said back frame being provided with a rearwardly projecting part for supporting or retaining said member when it is swung into the table position, said member being adapted to hang freely from its pivotal support against the back frame when swung into the position to form the backrest.

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The invention will be more completely understood from the following description which is given in conjunction with the accompanying drawings, in which :—

Figures 1, 2 and 3 are side, plan and rear views respectively of a chair constructed in accordance with the invention.

Referring now to these drawings, I construct the frame of my improved chair from metal tubing which is bent or otherwise shaped to form the legs, seat and back frames. Conveniently, the front legs 1 and seat frame 2 are formed from one piece of tubing, the centre part of which is bent into a U or V shaped part 2 to support the seat 3, the end parts of the arms being bent downwardly to form the front legs 1. Alternatively, this part of the structure may be formed of two or more pieces of tubing bolted or otherwise secured together. The back legs 4 and the back frame 5 are formed from two pieces of tubing each of which is bent at the position where it crosses the seat frame 2 thus forming two oppositely bent members, the lower parts of which form the back legs and the upper parts of which form the back frame, the two legs 4 diverging from one another from the seat frame 2 to the ground level, and the two arms 5 diverging from one another from the seat frame 2 to the upper end of the back frame, the two members being so arranged as to pass inside the seat frame 2 and to be secured to the rear part of the latter by welding or by other suitable means.

The upper ends of the arms 5 forming the back frame are held apart by a horizontal frame formed by a U shaped tubular member 6 the ends 7 of which are welded or otherwise secured to the upper ends of the arms 5 forming the back frame so that this horizontal frame 6 projects rearwardly

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from the back frame and forms a support for a table 8. This table takes the form of a flat rectangular member one edge of which is pivotally secured at 9 to the upper ends of the back frame 5 so that it is free to swing about a horizontal axis and so that it can either hang freely from its pivots 9 against the back frame 5 so as to form a backrest as shown in Figures 1, 2 and 3 or it can be swung over to rest on the horizontal frame 6 so as to form a table as shown in dotted lines in Figures 1 and 2, the user reversing his position on the chair according as to whether he requires a backrest or a table, the shaping of the back legs and back frame being such as to provide adequate room for the knees of the user when facing the table.

The chair seat 3 may be formed of any suitable material adapted to be fixed to the seat frame 2 and the table 8 may be padded or upholstered on one side to provide a soft surface for the backrest and may be covered with plastic or other suitable material on the other side to form a table top.

In a modification, the aforesaid horizontal frame 6 for supporting the table 8 may be dispensed with, and the table may be hinged or pivoted in any suitable manner to the upper part of the back frame, so that it may hang freely behind the back frame when it is not required, but may be swung up into a substantially horizontal position when it is required for use, suitable stay members being provided for retaining the table in such position during use, such stay members being in the form of pivoted links, ratchet members or other suitable devices which can be easily released when the latter is no longer required. Alternatively, the table may be detachably mounted, in which case it may be attached to the back frame of the chair by hook members in place of the aforesaid pivoted connections.

It is to be understood, however, that the invention is not to be regarded as being limited to the particular arrangements hereinbefore described which are given purely by way of example, and that while it is preferred to construct the chair frame of metal tubing, this is not essential, since the invention would be equally applicable to a chair

frame formed of wood, plastic or other material.

WHAT I CLAIM IS:—

1. A chair or seat comprising a member which is pivotally mounted on the back of the chair and which is swingable about a substantially horizontal axis so as to serve either as a back rest or as a table, means being provided for supporting said member when it is swung into the table position.

2. A chair or seat comprising a table member which is pivotally mounted on the back of the chair so as to be swingable about a substantially horizontal axis, means being provided for supporting the table member when in the horizontal position and for allowing the table member to be detached or to hang freely when it is not required for use.

3. A chair or seat according to Claim 1, wherein said member is pivoted to the upper part of the back frame of the seat or chair, said back frame being provided with a rearwardly projecting part for supporting or retaining said member when it is swung into the table position, said member being adapted to hang freely from its pivotal support against the back frame when swung into the position to form a backrest.

4. A chair or seat according to Claim 3, wherein the back frame and back legs are formed from two members which are bent towards one another at the seat position so as to provide adequate room for the knees of the user when facing the table.

5. A chair or seat according to Claim 3, wherein said rearwardly projecting part comprises a substantially U-shaped frame secured to the upper end of the back frame of the chair.

6. A chair or seat according to Claim 2, wherein said retaining means comprises a set of pivoted links, ratchet members or other stay or hook devices mounted on the back frame or table.

7. A chair or seat, constructed and arranged substantially as described with reference to the accompanying drawings.

MARKS & CLERK.

PROVISIONAL SPECIFICATION.

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I, MAURICE NORMAN, 88 Bryanston Court, London, W.1, a British Subject, do hereby declare this invention to be described in the following statement:—

This invention relates to chairs, seats and the like and has for its main object to provide an improved form of chair or seat which

is suitable for domestic or commercial use, or for use in cafes, restaurants, clubs and other places where the user of the chair or seat is likely to require table facilities.

The invention accordingly consists in a chair or seat wherein the back thereof is provided with a pivotally mounted member

which is adapted to form a backrest but which is swingable into a substantially horizontal position so as to form a table.

According to the preferred arrangement, the aforesaid member is pivoted to the upper part of the back frame of the seat or chair, said back frame being provided with a rearwardly projecting part for supporting or retaining said member when it is swung into the table position, said member being adapted to hang freely from its pivotal support when swung into the position to form the backrest.

The invention also consists in a chair or seat comprising a table member which is pivotally or detachably mounted on the back of the chair so as to be swingable about a substantially horizontal axis, collapsible retaining means being provided for supporting the table member when in the horizontal position, and for allowing the table member to hang freely when it is not required for use.

In carrying the invention into effect in one convenient manner, I construct the frame of my improved chair from metal tubing which is bent or otherwise shaped to form the legs, seat and back frames. Conveniently, the front legs and seat frame are formed from one piece of tubing, the centre part of which is bent into a U or V shaped part to support the seat, the end parts of the arm being bent downwardly to form the front legs. Alternatively, this part of the structure may be formed of two or more pieces of tubing bolted or otherwise secured together. The back legs and back frame are formed from two pieces of tubing each of which is bent at the position where it crosses the seat frame thus forming two oppositely bent members, the lower parts of which form the back legs and the upper parts of which form the back frame, the two legs diverging from one another from the seat frame to the ground level, and the two arms diverging from one another from the seat to the upper end of the back frame, the two members being so arranged as to pass inside the seat frame and to be secured to the rear part of the latter by any suitable means.

The upper ends of the arms forming the back frame are held apart by a horizontal frame formed by a U shaped tubular member the ends of which are welded or otherwise secured to the upper ends of the arms

forming the back frame so that this horizontal frame projects rearwardly from the back frame and forms a support for a table. This table takes the form of a flat rectangular member which is pivoted about one edge to the upper ends of the back frame so that it is free to swing about a horizontal axis and so that it can either hang freely from its pivots against the back frame so as to form a backrest or it can be swung over to rest on the horizontal frame so as to form a table, the user reversing his position on the chair according as to whether he requires a backrest or a table, the shaping of the back legs and back frame being such as to provide adequate room for the knees of the user when facing the table.

The chair seat may be formed of any suitable material adapted to be fixed to the seat frame and the table may be padded or upholstered on one side to provide a soft surface for the backrest and may be covered with plastic or other suitable material on the other side to form a table top.

In a modification, the aforesaid horizontal frame for supporting the table may be dispensed with, and the table may be hinged or pivoted in any suitable manner to the upper part of the back frame, so that it may hang freely behind the back frame when it is not required, but may be swung up into a substantially horizontal position when it is required for use, suitable stay members being provided for retaining the table in such position during use, such stay members being in the form of pivoted links, ratchet members or other suitable devices which can be easily released when the latter is no longer required. Alternatively, the table may be detachably mounted, in which case it may be attached to the back frame of the chair by hook members in place of the aforesaid pivoted connections.

It is to be understood, however, that the invention is not to be regarded as being limited to the particular arrangements hereinbefore described which are given purely by way of example, and that while it is preferred to construct the chair frame of metal tubing, this is not essential, since the invention would be equally applicable to a chair frame formed of wood, plastic or other material.

MARKS & CLERK.

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2 SHEETS

This drawing is a reproduction of
the Original on a reduced scale.

SHEETS 1 & 2

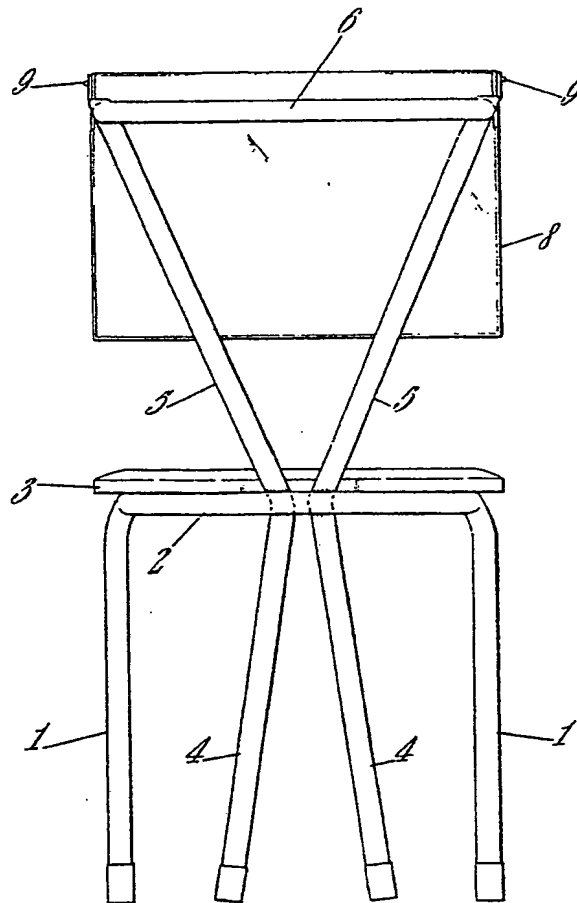


Fig. 3.

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 2 SHEETS
 This drawing is a reproduction of
 the Original on a reduced scale.
 SHEETS 1 & 2

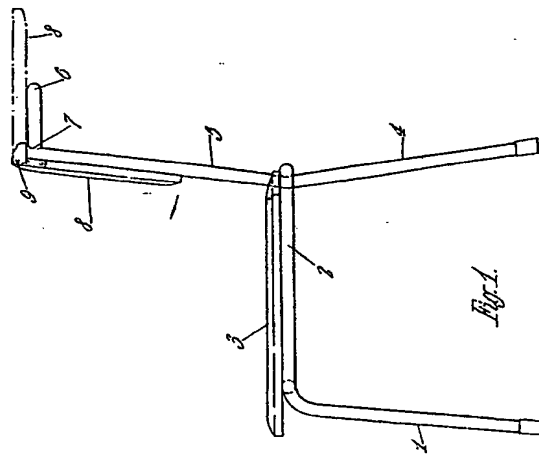


Fig. 1.

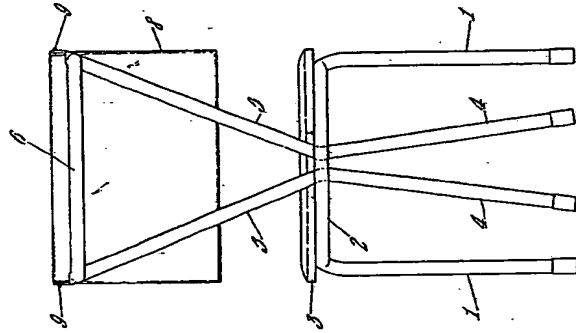


Fig. 2.

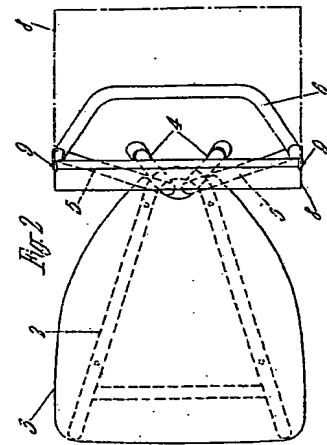


Fig. 3.